

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031768.D
 Acq On : 29 Sep 2022 13:13
 Operator : JC/MD
 Sample : N4863-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Sep 30 04:30:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

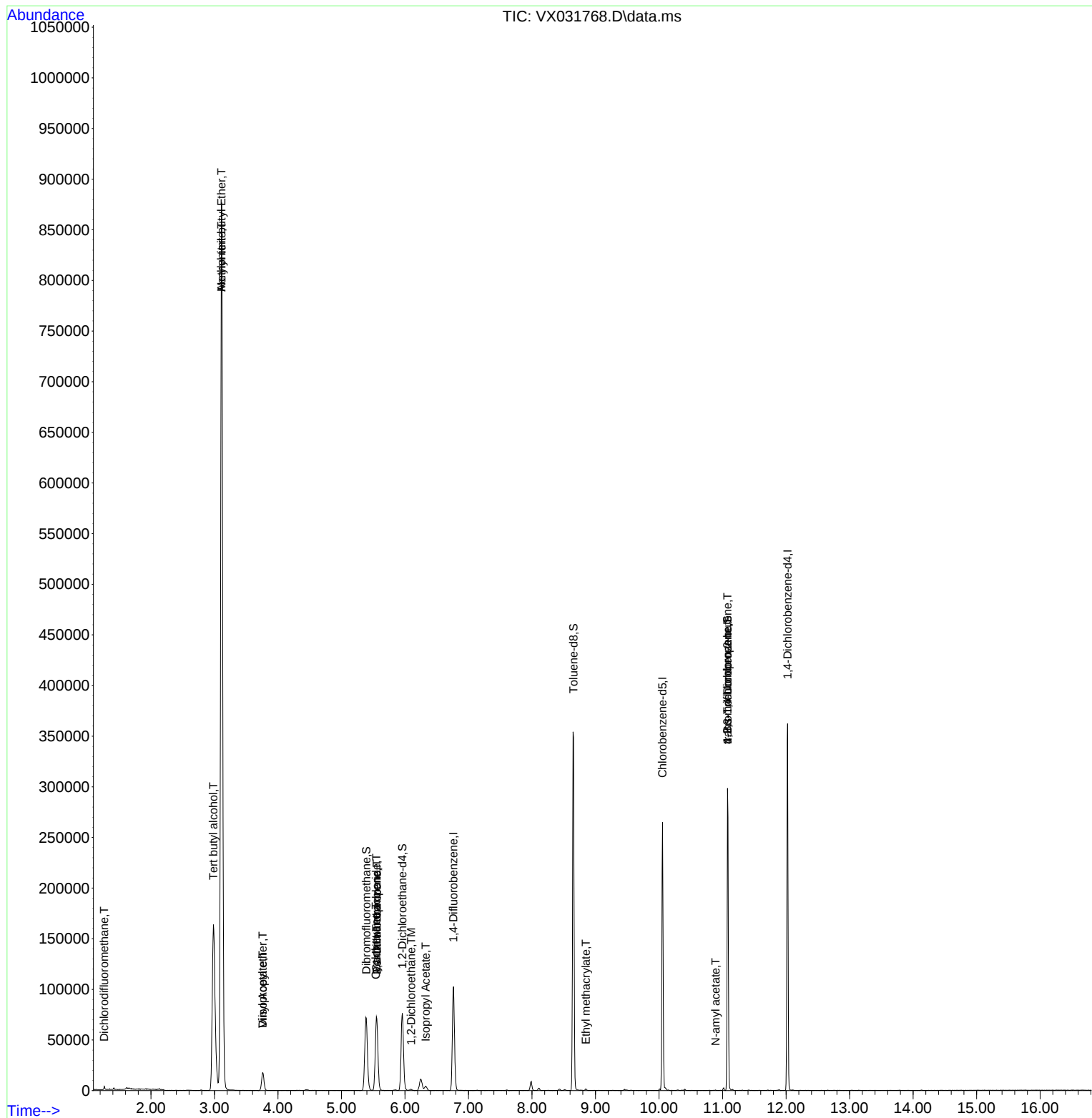
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	70855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	108331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73927	49.159	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.320%
35) Dibromofluoromethane	5.391	113	62365	48.316	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.640%
50) Toluene-d8	8.653	98	217737	46.529	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.060%
62) 4-Bromofluorobenzene	11.079	95	76776	44.763	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.264	85	200	0.232	ug/l	93
3) Chloromethane	1.294	50	75	Below Cal	#	41
5) Bromomethane	1.617	94	426	Below Cal		84
6) Chloroethane	1.691	64	86	Below Cal	#	43
8) Diethyl Ether	2.123	74	207	Below Cal		71
11) Tert butyl alcohol	2.983	59	257646	1475.969	ug/l	99
15) Acrylonitrile	3.111	53	10547	20.208	ug/l	# 30
16) Acetone	2.380	43	422	Below Cal	#	45
17) Carbon Disulfide	2.501	76	33	Below Cal	#	75
19) Methyl tert-butyl Ether	3.111	73	1016556	303.921	ug/l	96
20) Methylene Chloride	2.782	84	216	Below Cal	#	45
22) Diisopropyl ether	3.757	45	17206	5.395	ug/l	# 80
23) Vinyl Acetate	3.757	43	9576	3.797	ug/l	# 71
31) Cyclohexane	5.544	56	1514	1.059	ug/l	# 11
36) 1,1-Dichloropropene	5.556	75	5423	3.658	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	7125	4.265	ug/l	# 18
42) 1,2-Dichloroethane	6.098	62	1539	0.874	ug/l	83
43) Isopropyl Acetate	6.324	43	1389	0.590	ug/l	# 13
56) Ethyl methacrylate	8.848	69	364	0.218	ug/l	# 56
74) N-amyl acetate	10.890	43	366	0.234	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	40797	30.124	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	40797	99.279	ug/l	# 11

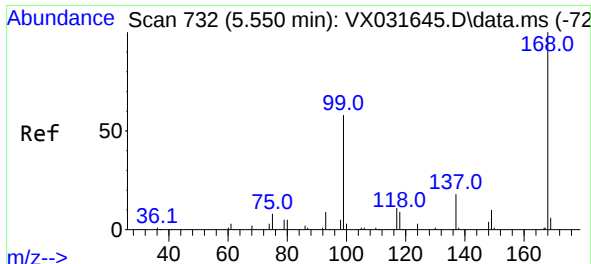
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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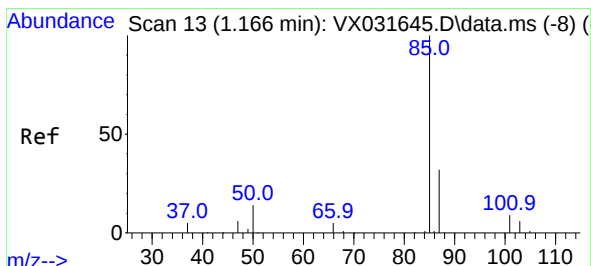
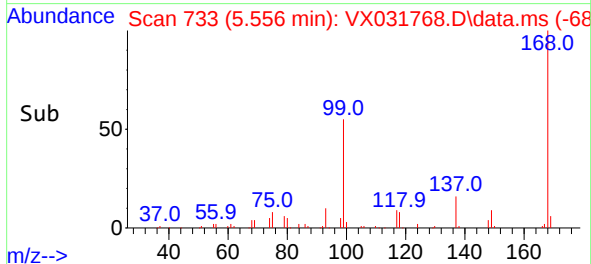
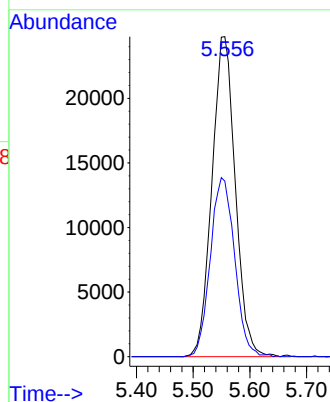
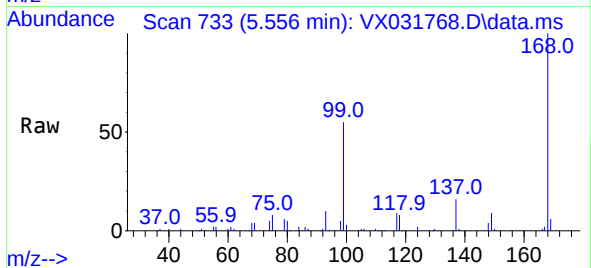




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

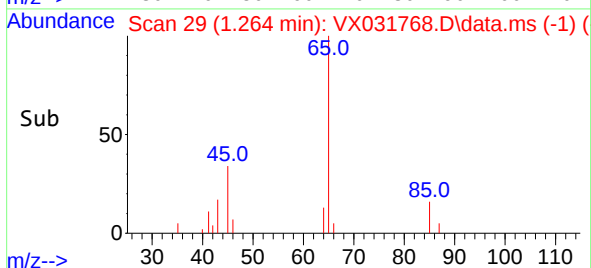
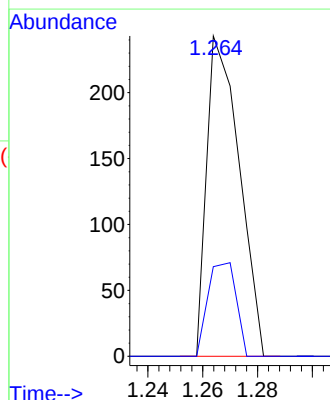
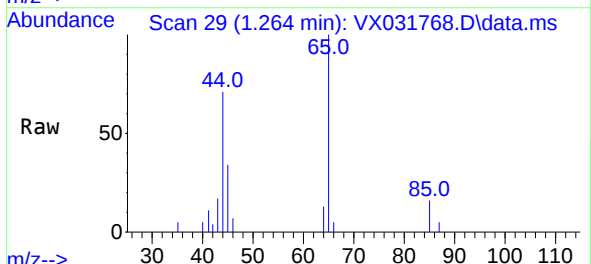
Instrument :
MSVOA_X
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MW-7

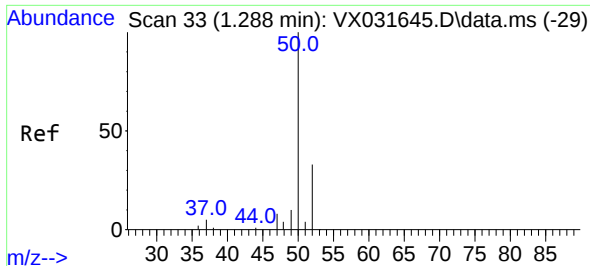
Tgt Ion:168 Resp: 70855
Ion Ratio Lower Upper
168 100
99 54.9 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.232 ug/l
RT: 1.264 min Scan# 29
Delta R.T. 0.098 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 85 Resp: 200
Ion Ratio Lower Upper
85 100
87 28.0 15.8 47.4

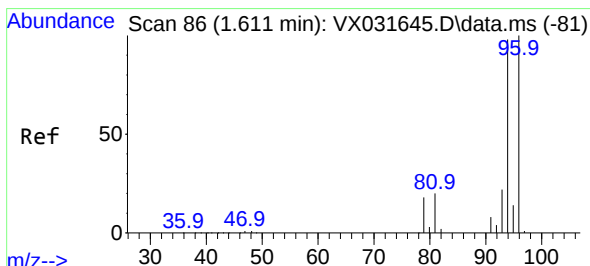
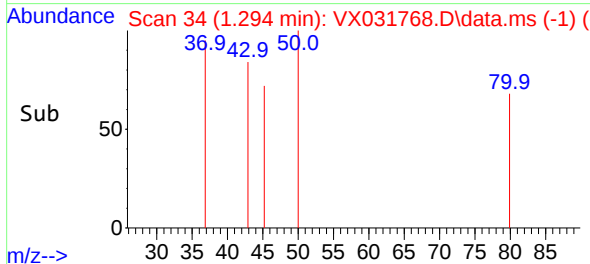
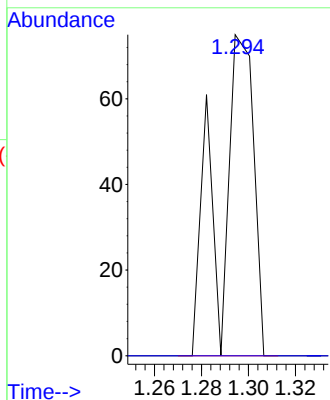
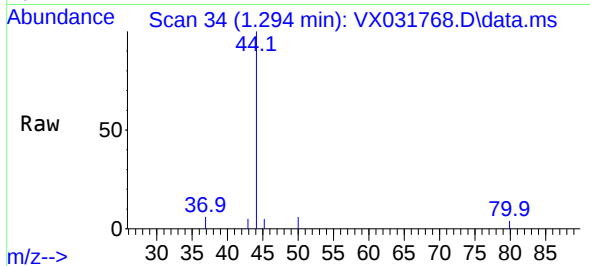




#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

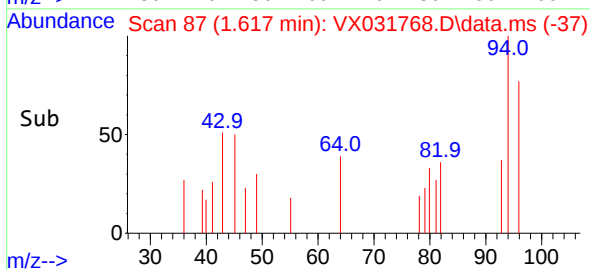
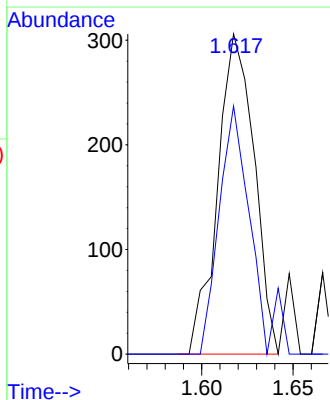
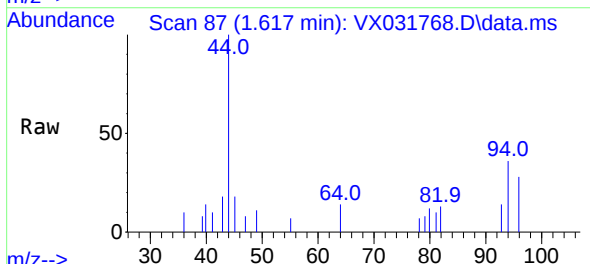
Instrument :
MSVOA_X
ClientSampleId :
MW-7

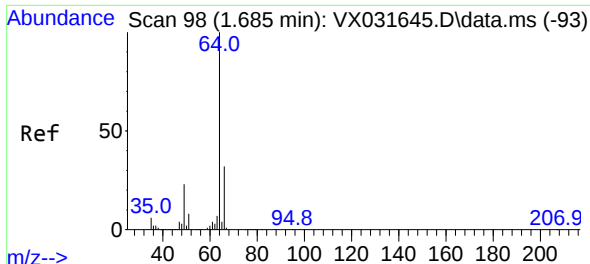
Tgt Ion: 50 Resp: 75
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 94 Resp: 426
Ion Ratio Lower Upper
94 100
96 77.5 74.4 111.6

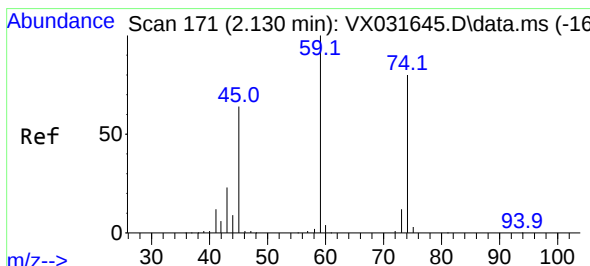
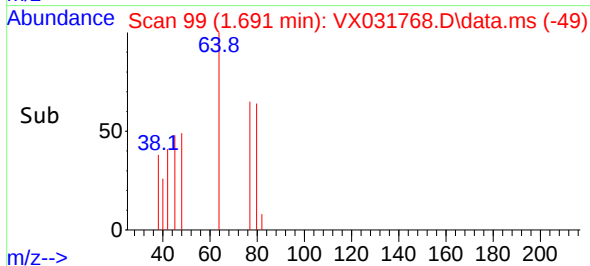
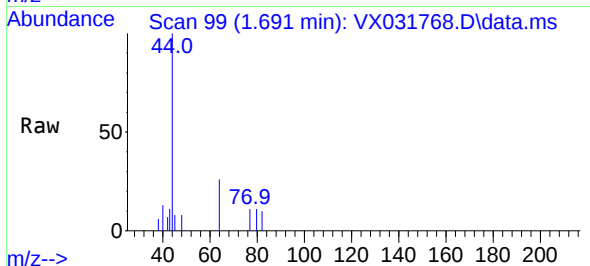




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

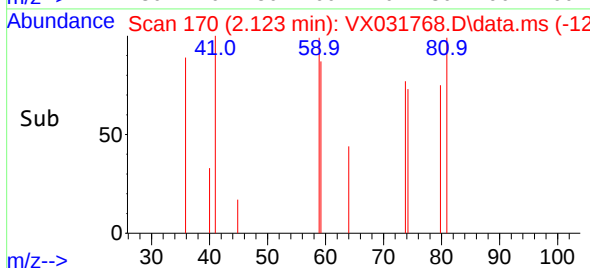
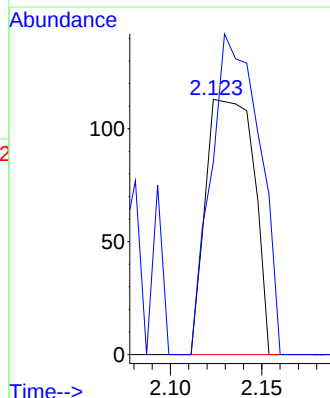
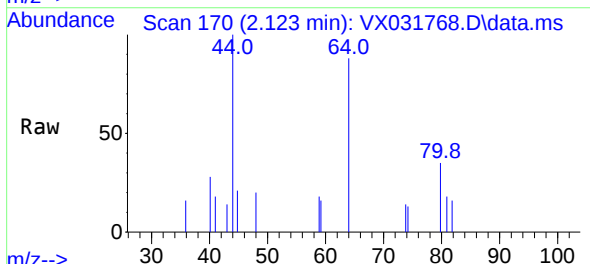
Instrument :
MSVOA_X
ClientSampleId :
MW-7

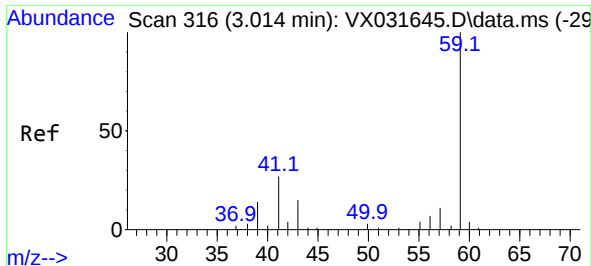
Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 2.123 min Scan# 170
Delta R.T. -0.013 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 74 Resp: 207
Ion Ratio Lower Upper
74 100
45 125.6 48.5 145.6

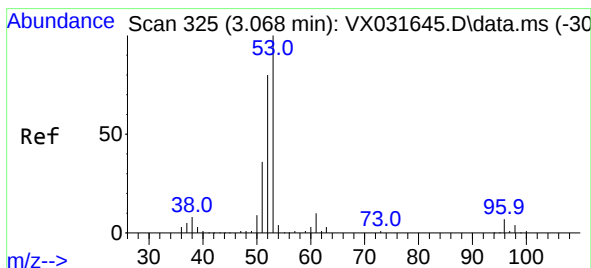
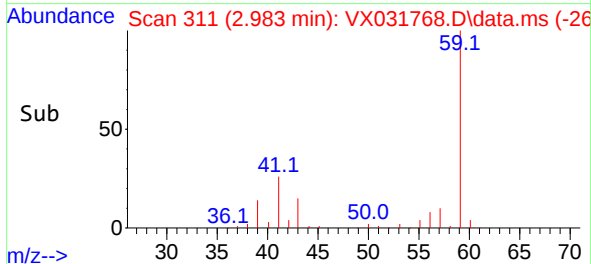
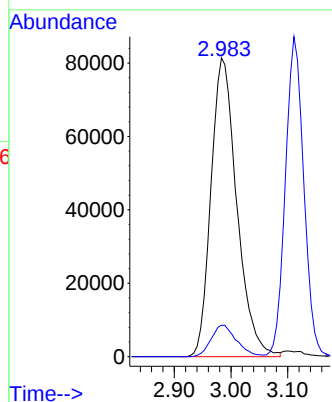
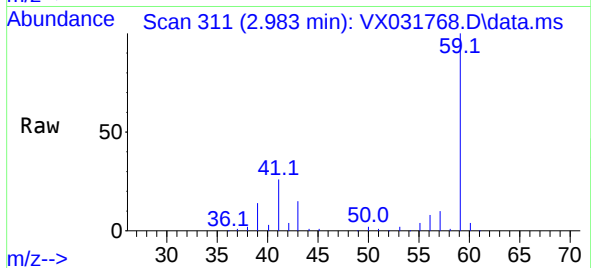




#11
Tert butyl alcohol
Concen: 1475.969 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

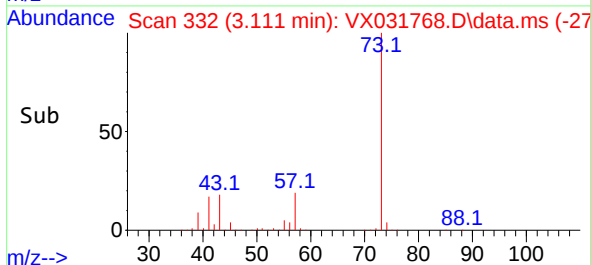
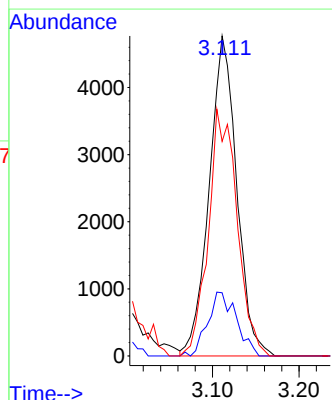
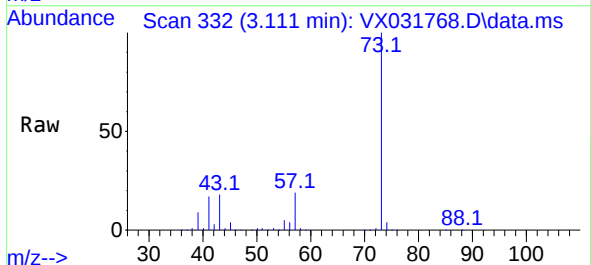
Instrument :
MSVOA_X
ClientSampleId :
MW-7

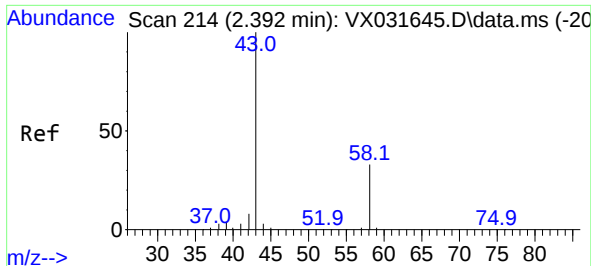
Tgt Ion: 59 Resp: 257646
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#15
Acrylonitrile
Concen: 20.208 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.042 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 53 Resp: 10547
Ion Ratio Lower Upper
53 100
52 20.7 66.9 100.3#
51 80.1 30.0 45.0#

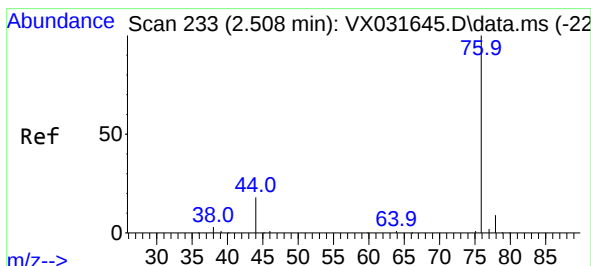
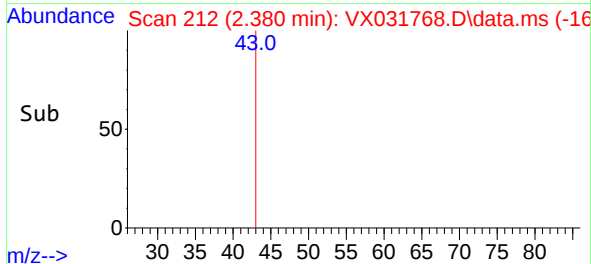
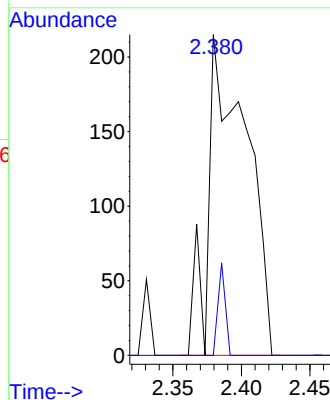
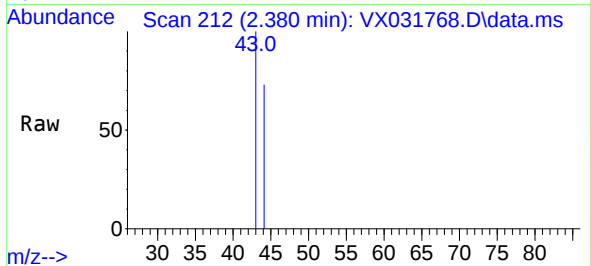




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

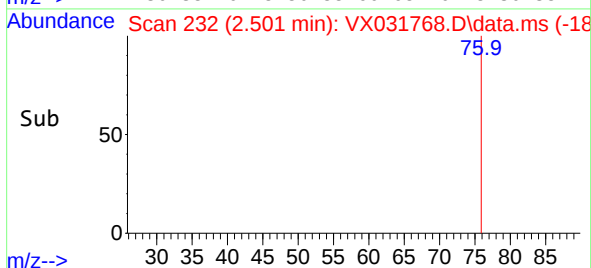
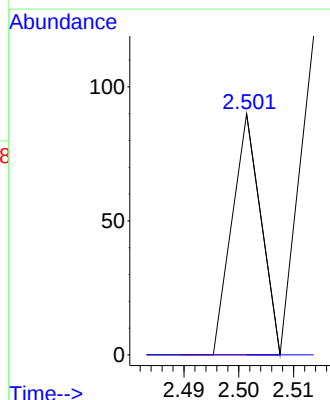
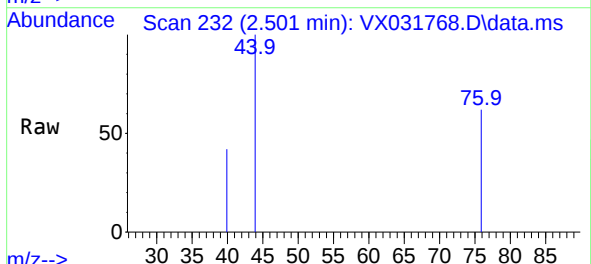
Instrument :
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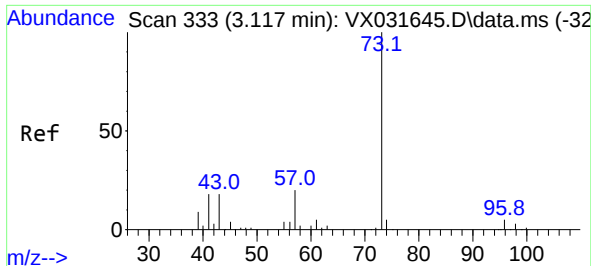
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.501 min Scan# 232
Delta R.T. -0.013 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 76 Resp: 33
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

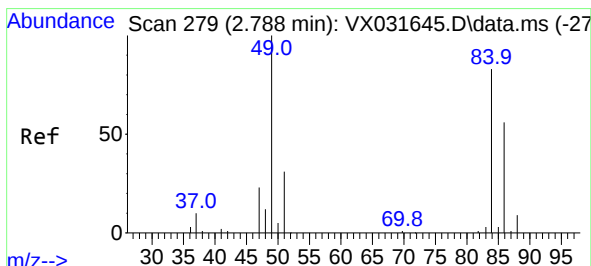
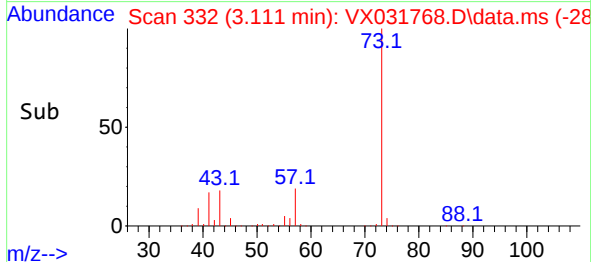
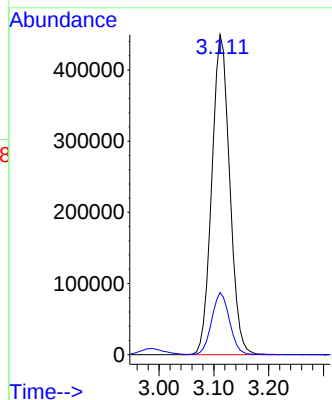
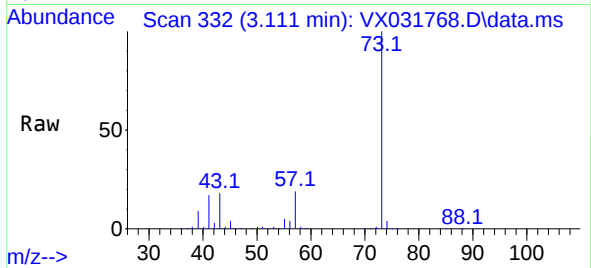




#19
Methyl tert-butyl Ether
Concen: 303.921 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

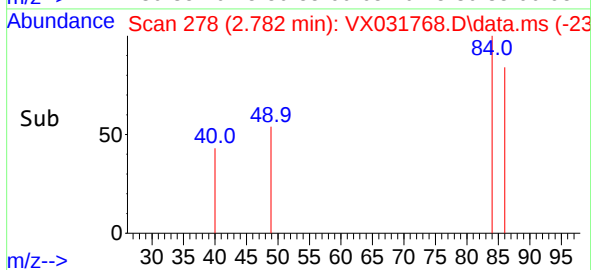
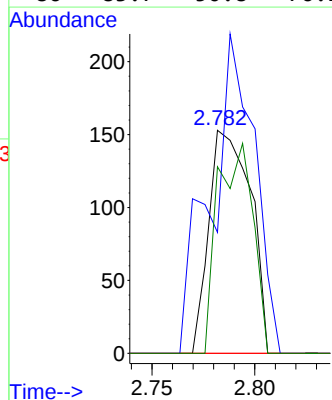
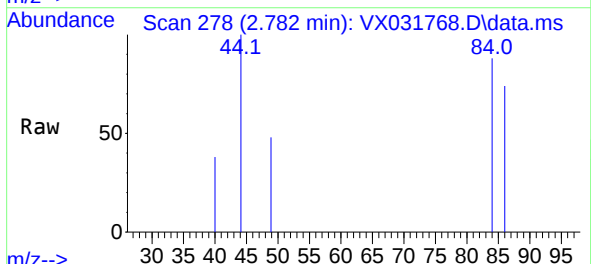
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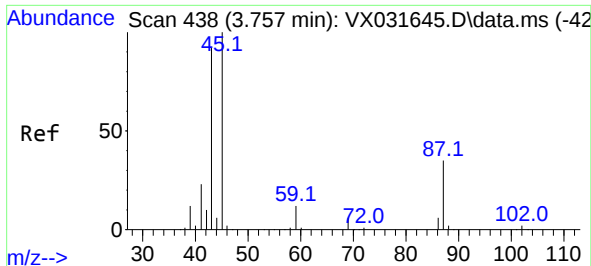
Tgt Ion: 73 Resp: 1016556
Ion Ratio Lower Upper
73 100
57 19.4 17.2 25.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 84 Resp: 216
Ion Ratio Lower Upper
84 100
49 54.2 105.9 158.9#
51 0.0 32.2 48.2#
86 83.7 50.8 76.2#

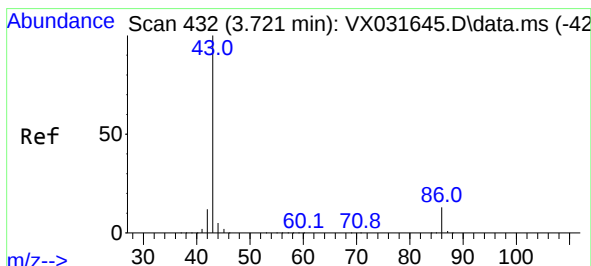
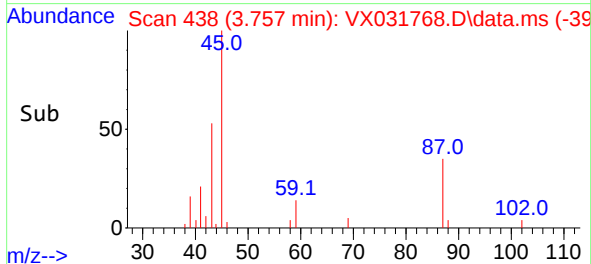
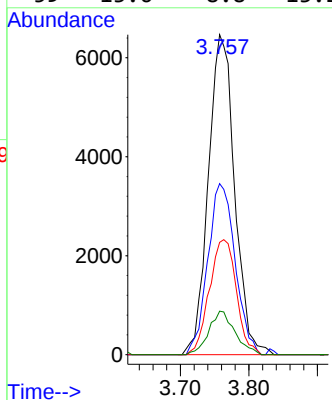
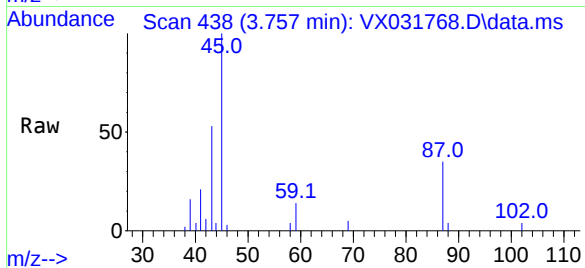




#22
Diisopropyl ether
Concen: 5.395 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.007 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

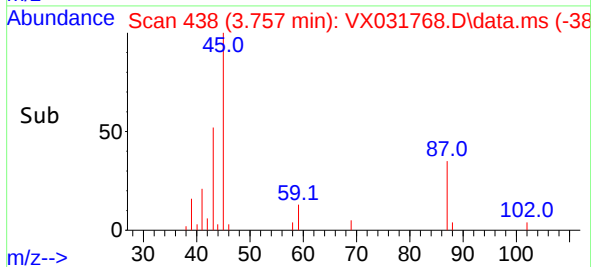
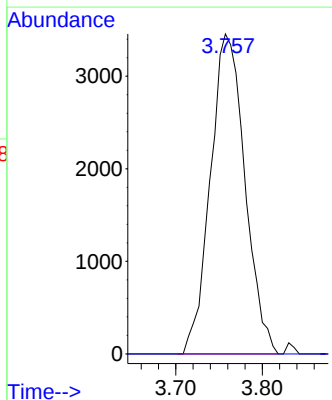
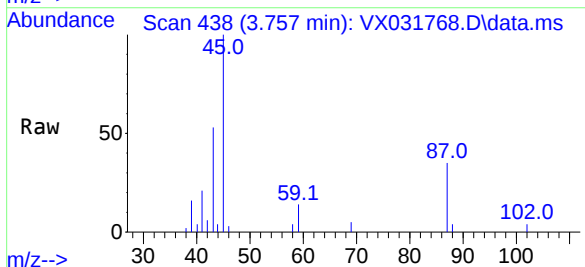
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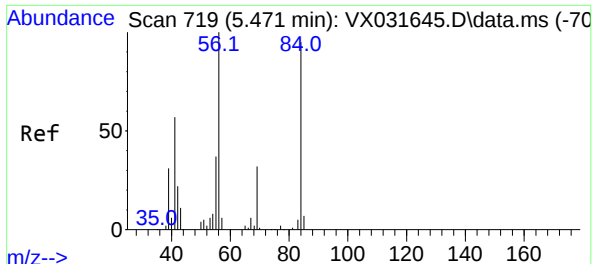
Tgt Ion:	45	Resp:	17206
Ion	Ratio	Lower	Upper
45	100		
43	53.5	59.0	88.6#
87	35.1	22.6	33.8#
59	13.6	8.8	13.2#



#23
Vinyl Acetate
Concen: 3.797 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.030 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

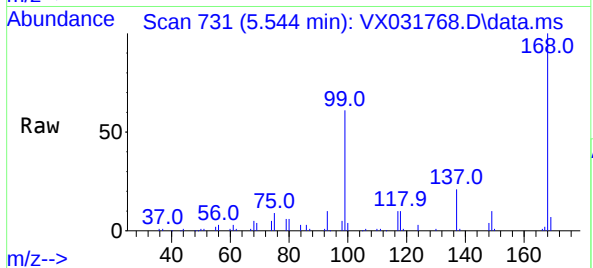
Tgt Ion:	43	Resp:	9576
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1#



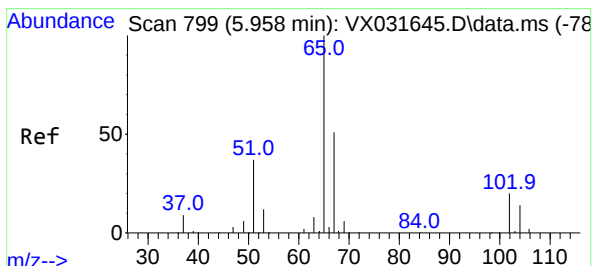
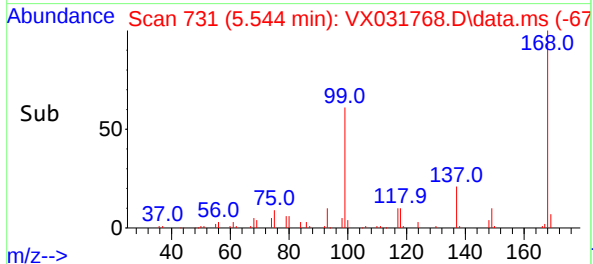
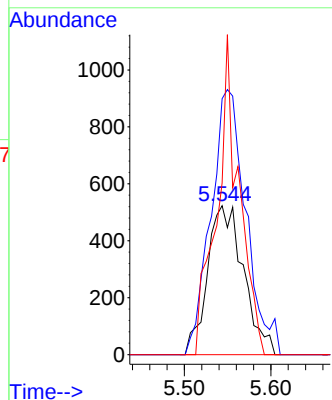


#31
Cyclohexane
Concen: 1.059 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Instrument :
MSVOA_X
ClientSampleId :
MW-7

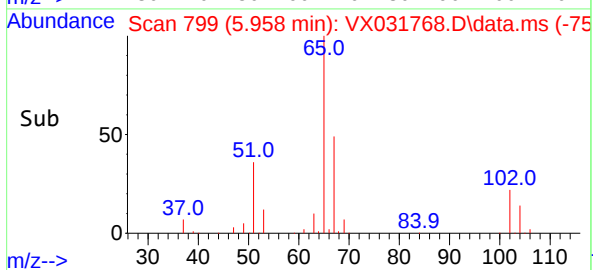
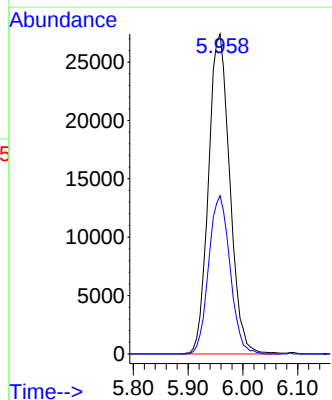
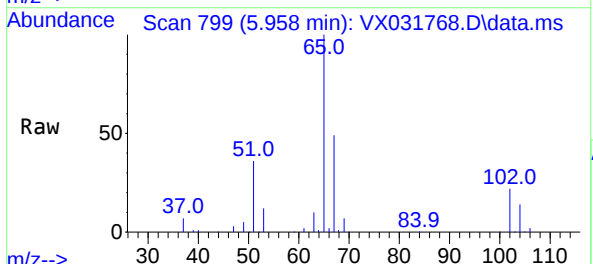


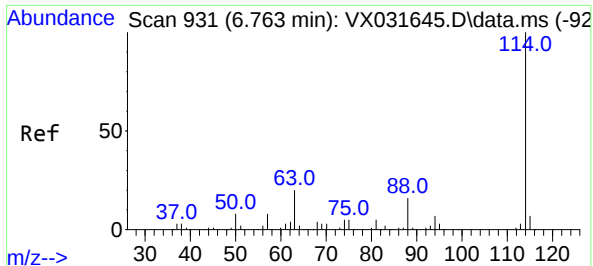
Tgt Ion: 56 Resp: 1514
Ion Ratio Lower Upper
56 100
69 171.9 25.1 37.7#
84 115.3 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 49.159 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 65 Resp: 73927
Ion Ratio Lower Upper
65 100
67 49.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX031768.D

Acq: 29 Sep 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

MW-7

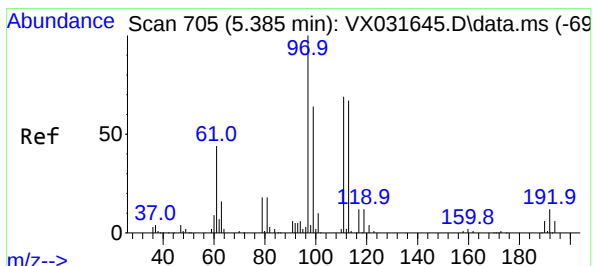
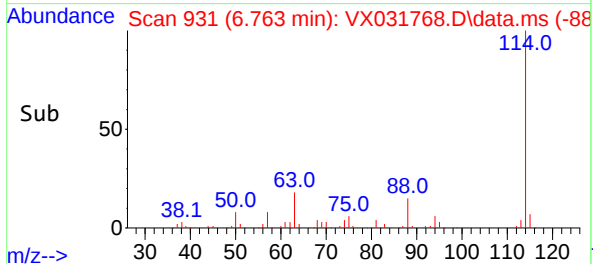
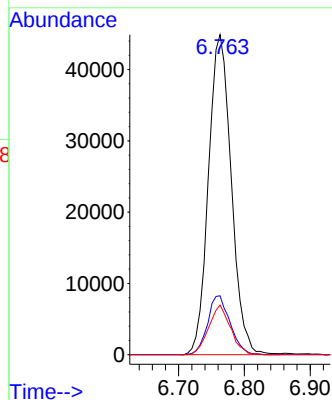
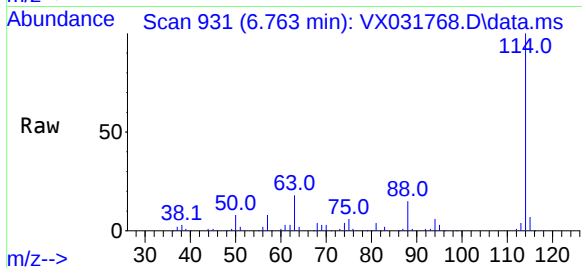
Tgt Ion:114 Resp: 108331

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.6

88 15.5 0.0 33.0



#35

Dibromofluoromethane

Concen: 48.316 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031768.D

Acq: 29 Sep 2022 13:13

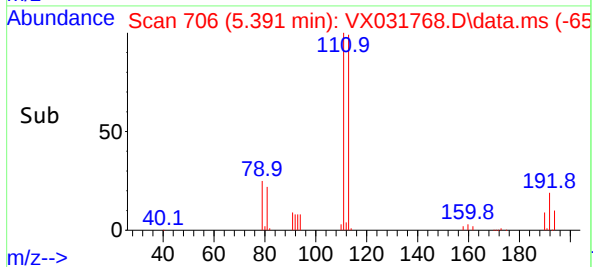
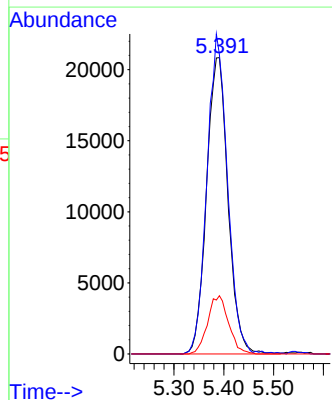
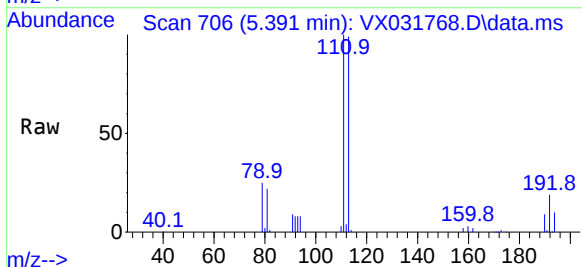
Tgt Ion:113 Resp: 62365

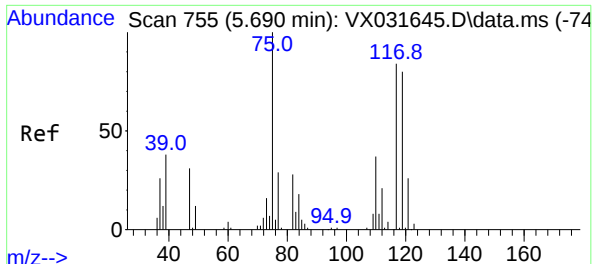
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 19.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.658 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX031768.D

Acq: 29 Sep 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

MW-7

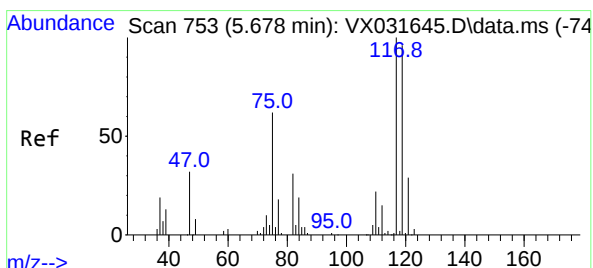
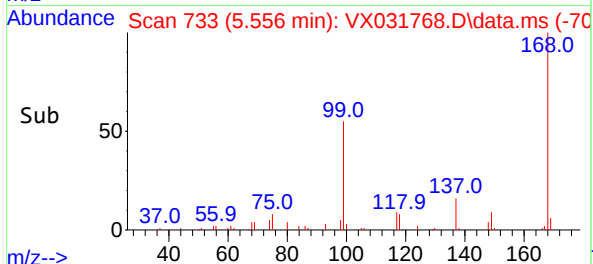
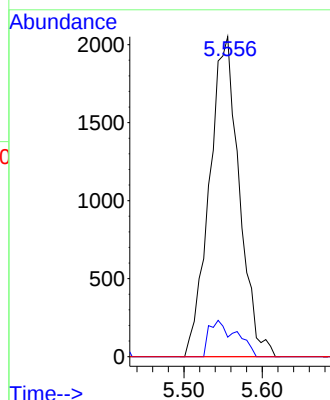
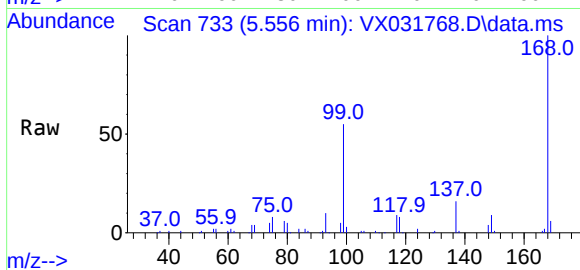
Tgt Ion: 75 Resp: 5423

Ion Ratio Lower Upper

75 100

110 10.3 17.5 52.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.265 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031768.D

Acq: 29 Sep 2022 13:13

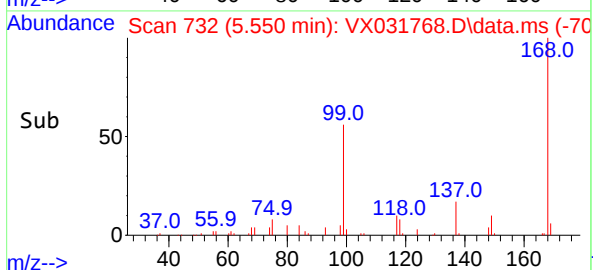
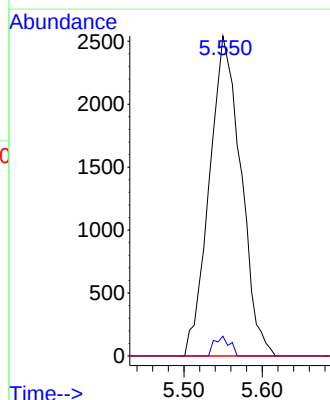
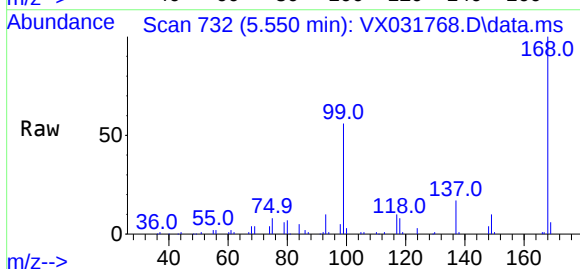
Tgt Ion: 117 Resp: 7125

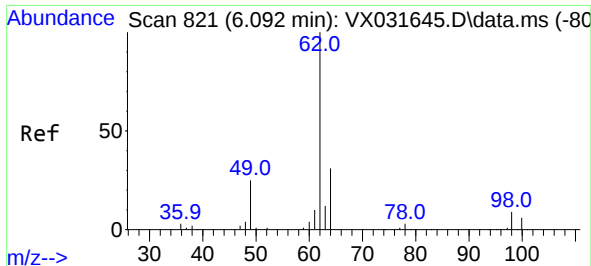
Ion Ratio Lower Upper

117 100

119 6.1 74.6 112.0#

121 0.0 25.3 37.9#





#42

1,2-Dichloroethane

Concen: 0.874 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031768.D

Acq: 29 Sep 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

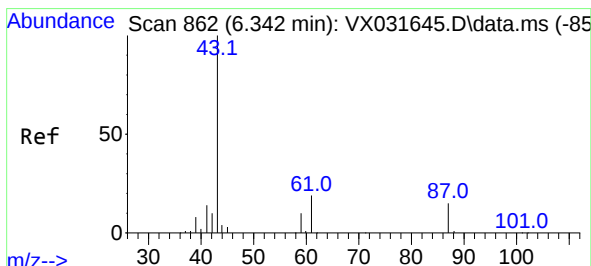
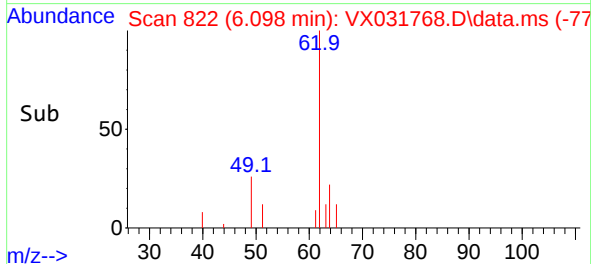
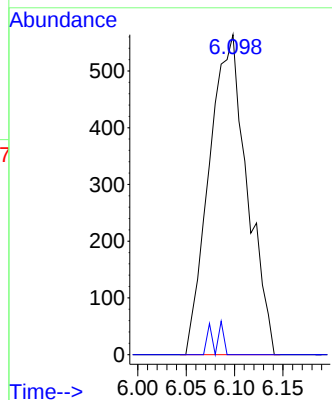
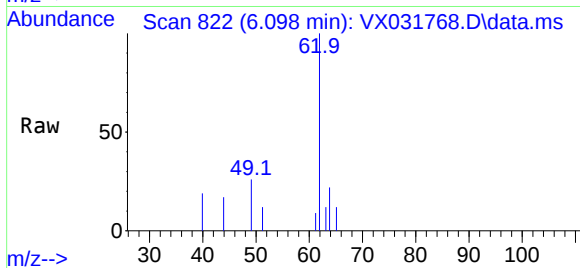
MW-7

Tgt Ion: 62 Resp: 1539

Ion Ratio Lower Upper

62 100

98 2.7 0.0 17.8



#43

Isopropyl Acetate

Concen: 0.590 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.018 min

Lab File: VX031768.D

Acq: 29 Sep 2022 13:13

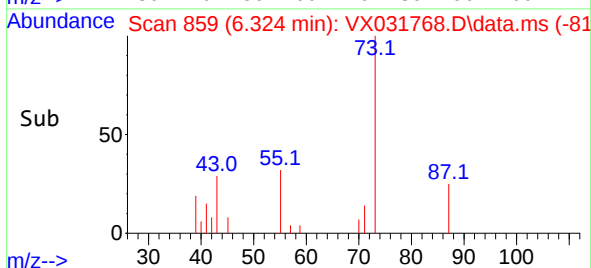
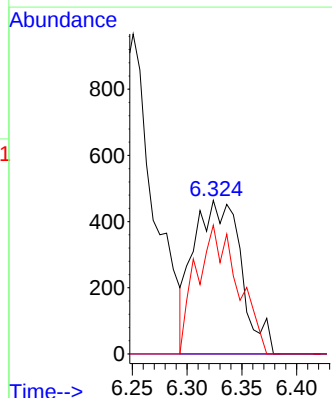
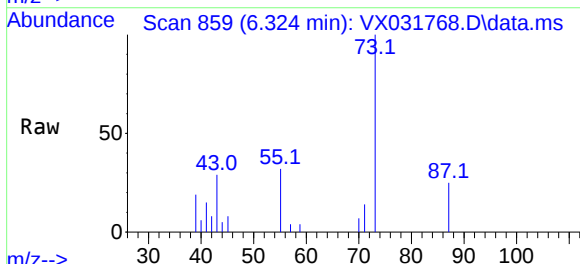
Tgt Ion: 43 Resp: 1389

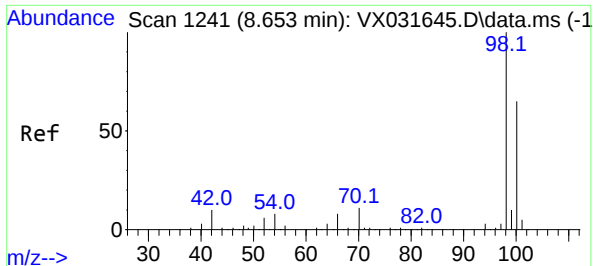
Ion Ratio Lower Upper

43 100

61 0.0 15.3 22.9#

87 73.5 10.6 15.8#

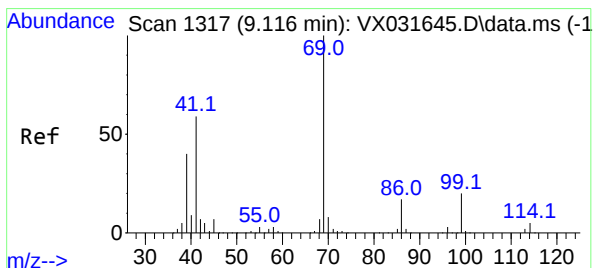
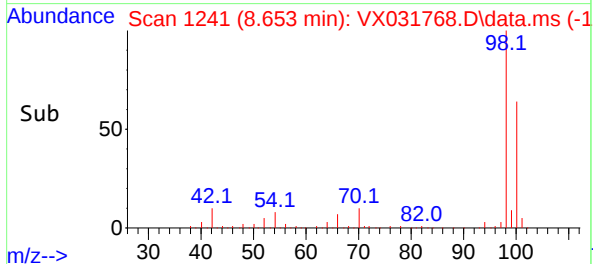
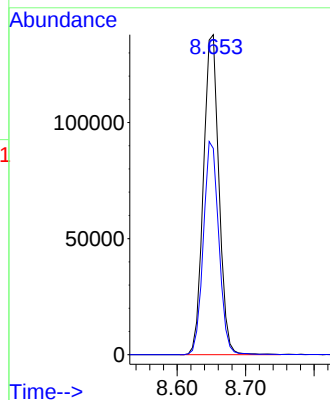
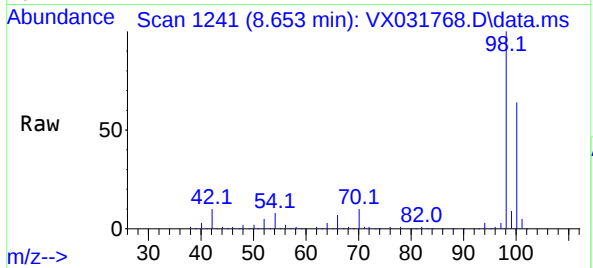




#50
Toluene-d8
Concen: 46.529 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

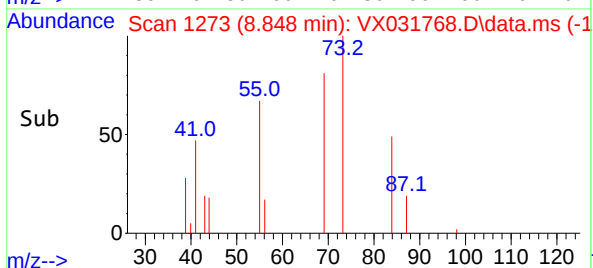
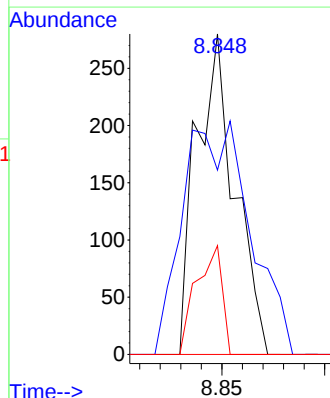
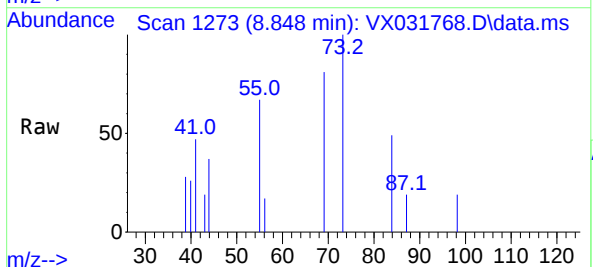
Instrument :
MSVOA_X
ClientSampleId :
MW-7

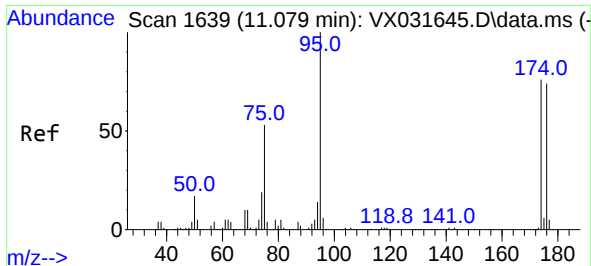
Tgt Ion: 98 Resp: 217737
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7



#56
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 8.848 min Scan# 1273
Delta R.T. -0.268 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 69 Resp: 364
Ion Ratio Lower Upper
69 100
41 110.4 54.2 81.4#
39 22.8 34.2 51.2#

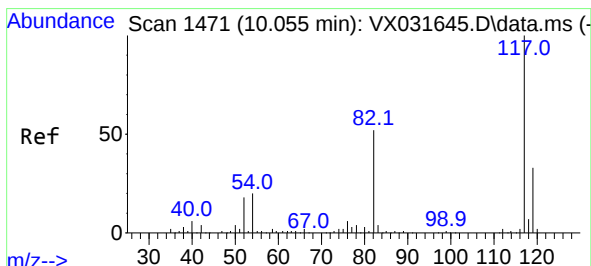
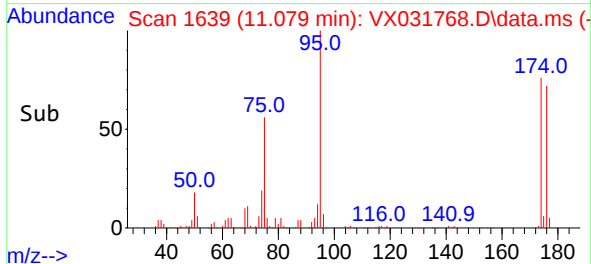
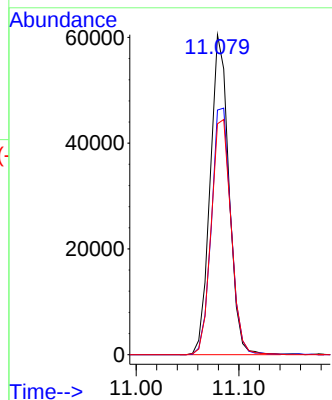
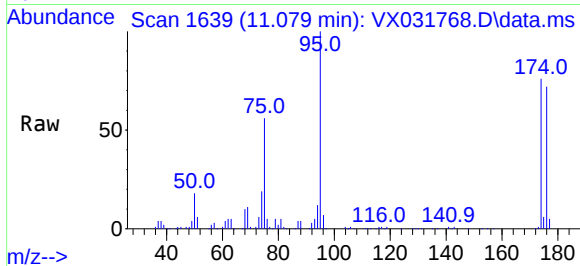




#62
4-Bromofluorobenzene
Concen: 44.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

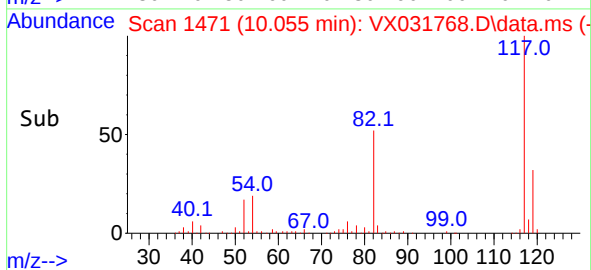
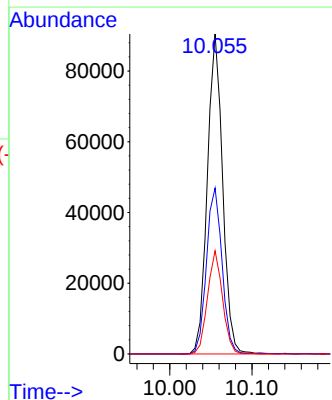
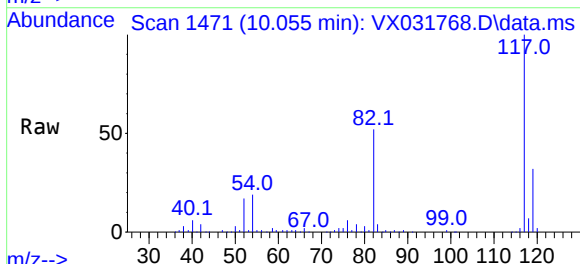
Instrument :
MSVOA_X
ClientSampleId :
MW-7

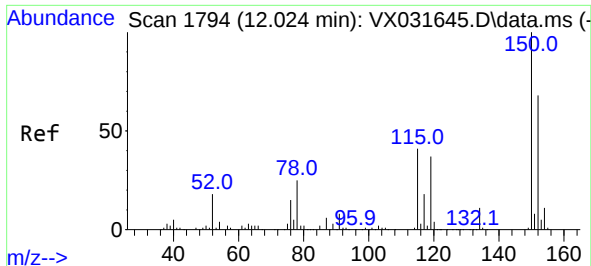
Tgt Ion: 95 Resp: 76776
Ion Ratio Lower Upper
95 100
174 80.1 0.0 153.2
176 77.9 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 117 Resp: 117001
Ion Ratio Lower Upper
117 100
82 51.8 46.8 70.2
119 32.2 26.4 39.6

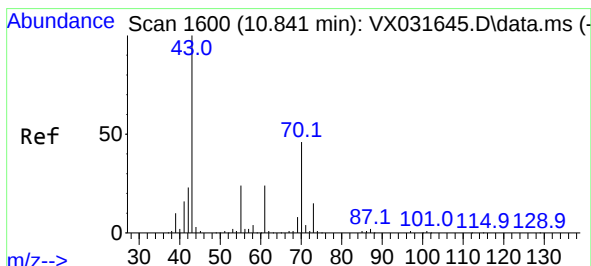
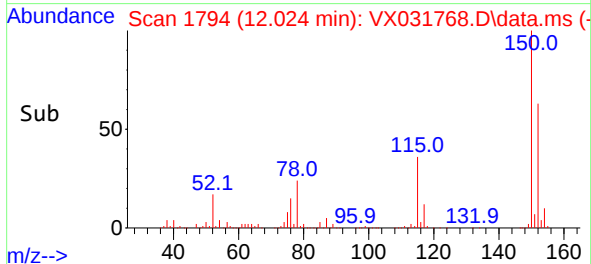
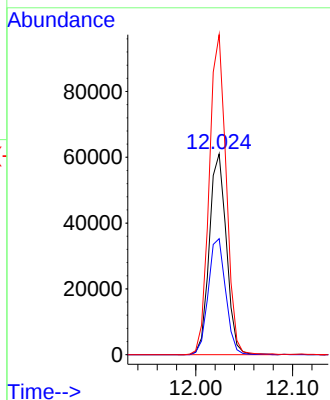
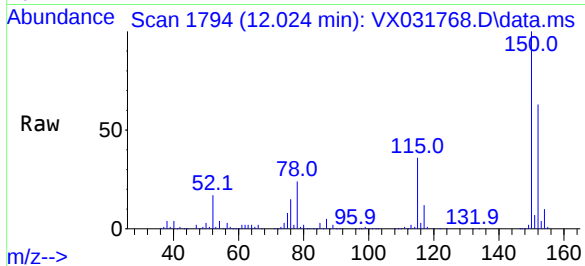




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

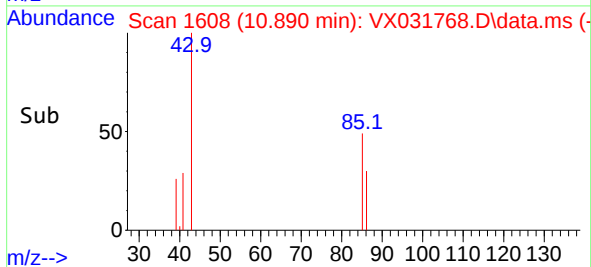
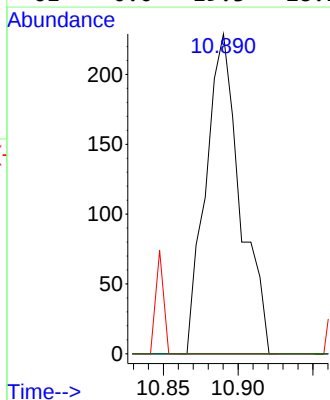
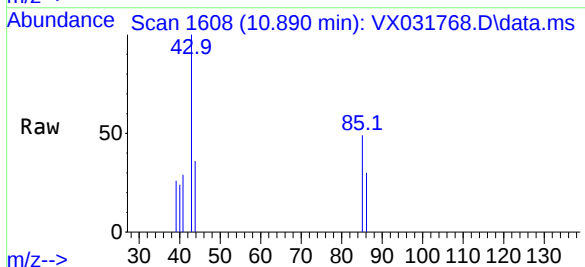
Instrument :
MSVOA_X
ClientSampleId :
MW-7

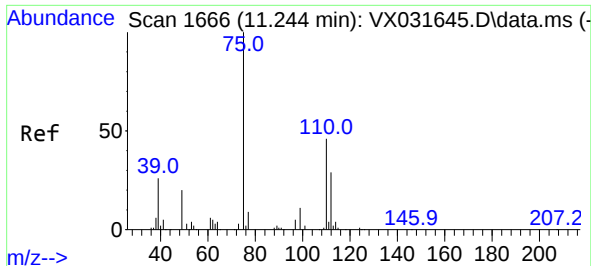
Tgt Ion:152 Resp: 74704
Ion Ratio Lower Upper
152 100
115 59.1 43.4 130.1
150 158.4 0.0 346.8



#74
N-ethyl acetate
Concen: 0.234 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.048 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

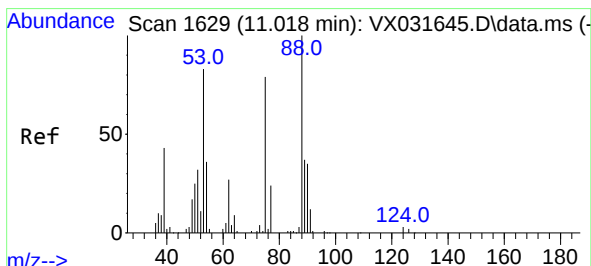
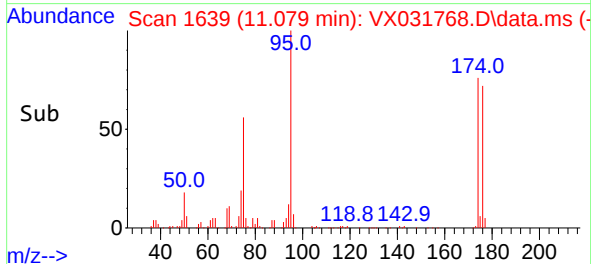
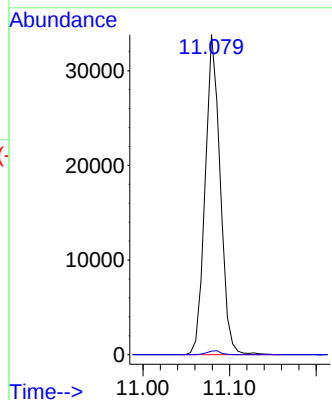
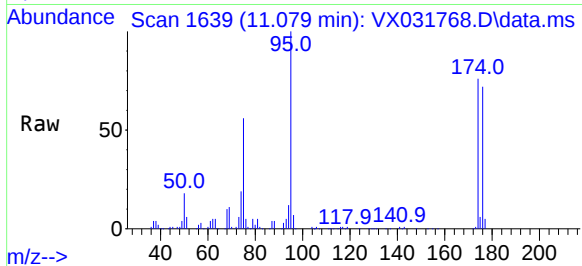




#76
1,2,3-Trichloropropane
Concen: 30.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Instrument :
MSVOA_X
ClientSampleId :
MW-7

Tgt Ion: 75 Resp: 40797
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031768.D
Acq: 29 Sep 2022 13:13

Tgt Ion: 75 Resp: 40797
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

